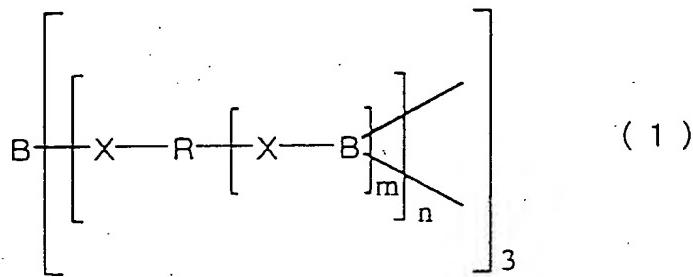


ABSTRACT

A polymeric electrolyte which is improved in a transport rate of charge carrier ions by containing a boron atom-containing polymeric compound and an electric device using the same are provided.

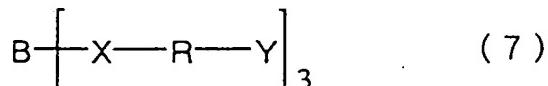
As the boron-containing polymeric compound, any of the following (A) to (D) can be used.

(A) Compound represented by the following general formula (1)



wherein X represents a hetero-atom, R represents a divalent to hexavalent group having a molecular weight of at least 150, m represents an integer of 1 to 5, and n represents a recurring number of 1 or more.

(B) Compound obtained by crosslinking a compound represented by the following general formula (7)



wherein X represents a hetero-atom, R represents a divalent group having a molecular weight of at least 150,

and Y represents a polymerizable functional group.

(C) Compound in which a boron atom is present in, for example, a polymeric side chain, preferably in an end of a polymeric main chain and/or a polymeric side chain as a part of a boron compound, more preferably in an end of a polymeric side chain as a part of an organoboron compound.

(D) Tetravalent boron-containing polymeric compound.